Histo—chemistry

Founded in 1958. Volumes 1–3 were titled "Zeitschrift für Zellforschung und mikroskopische Anatomie," with the subtitle "Abteilung Histochemie." Beginning with Volume 4 the title was changed to "Histochemie/Histochemistry/Histochimie." From Volume 38 the journal is called "Histochemistry."

Volume 87 · 1987

Managing Editors

T.H. Schiebler, Würzburg

H.A. Padykula, Worcester

Editors

R.R. Cowden, Hammond

R. Gossrau, Berlin

W. Graumann, Tübingen

L.-I. Larsson, Kopenhagen

Z. Lojda, Praha

B. Maurer-Schultze, Würzburg

K. Ogawa, Kyoto

A.G.E. Pearse, London

D. Pette, Konstanz

M. van der Ploeg, Leiden

H. Puchtler, Augusta

Y. Sano, Kyoto

L.A. Sternberger, Rochester

W. Straus, North Chicago

Copyright

Submission of a manuscript implies: that the work described has not been published before (except in the form of an abstract or as part of a published lecture, review, or thesis); that it is not under consideration for publication elsewhere: that its publication has been approved by all coauthors, if any, as well as by the responsible authorities at the institute where the work has been carried out; that, if and when the manuscript is accepted for publication, the authors agree to automatic transfer of the copyright to the publisher; and that the manuscript will not be published elsewhere in any language without the consent of the copyright holders.

All articles published in this journal are protected by copyright, which covers the exclusive rights to reproduce and distribute the article (e.g., as offprints), as well as all translation rights. No material published in this journal may be reproduced photographically or stored on microfilm, in electronic data bases, video disks, etc., without first obtaining written permission from the publisher.

The use of general descriptive names, trade names, trademarks, etc., in this publication, even if not specifically identified, does not imply that these names are not protected by the relevant laws and regulations.

While the advice and information in this journal is believed to be true and accurate at the date of its going to press, neither the authors, the editors, nor the publisher can accept legal responsibility for any errors or omissions that may be made. The publisher makes no warranty, express or implied, with respect to the material contained herein.

Special regulations for photocopies in the USA

Photocopies may be made for personal or in-house use beyond the limitations stipulated under Section 107 or 108 of U.S. Copyright Law, provided a fee is paid. This fee is US $0.20 per page or a minimum of US $1.00 if an article contains fewer than five pages. All fees should be paid to the Copyright Clearance Center, Inc., 21 Congress Street, Salem, MA 01970, USA, stating the ISSN 0301-5564, the volume, and the first and last page numbers of each article copied. The copyright owner's consent does not include copying for general distribution, promotion, new works, or resale. In these cases, specific written permission must first be obtained from the publisher.

Other regulations. Authors publishing in this journal can, under certain conditions, benefit from library and photocopy fees collected by VG WORT. Authors of German nationality and those resident in the Federal Republic of Germany or Berlin (West), as well as citizens of Austria, Switzerland and member countries of the European Community, may apply to Verwertungsgesellschaft WORT, Abteilung Wissenschaft, Goethestrasse 49, D-8000 München 2, for detailed information.

© Springer-Verlag Berlin, Heidelberg 1987 – Printed in Germany

Springer-Verlag GmbH & Co. KG, D-1000 Berlin 33

Springer-Verlag Berlin Heidelberg NewYork
London Paris Tokyo

Contents

Abad, M.E., → Rombout, J.H.W.M., et al. 1
Affronte, R., → Zaccone, G., et al. 431
Ainis, L., → Zaccone, G., et al. 431
Alsat, E., → Malassiné, A., et al. 457
Amsellem, J., → Blaineau, S., et al. 545
Araki, T., Yamamoto, A., Yamada, M.: Accurate determination of DNA content in single cell nuclei stained with Hoechst 33258 fluorochrome at high salt concentration 331
Askensten, U., → Reinecke, M., et al. 531
Aten, J.A., Buys, C.H.C.M., Veen, A.Y. van der, Mesa, J.R., Yu, L.C., Gray, J.W., Osinga, J., Stap, J.: Stabilization of chromosomes by DNA intercalators for flow karyotyping and identification by banding of isolated chromosomes 359
Auderset, G., → Gahan, P.B., et al. 289
Báguena-Cervellera, R., Renau-Piqueras, J., O'Connor, J.E., Grisolia, S.: Effects of prolonged exposure to ammonia on fluid-phase, receptor-mediated, and adsorptive (non specific) endocytosis in cultured neuroblastoma cells. A flow-cytometry and cytochemical study 445
Ballesta, J., Lawson, J.A., Pals, D.T., Ludens, J.H., Lee, Y.C., Bloom, S.R., Polak, J.M.: Significant depletion of NPY in the innervation of the rat mesenteric, renal arteries and kidneys in experimentally (aorta coarctation) induced hypertension 273
Bastholm, L., Nielsen, M.H., Larsson, L.-I.: Simultaneous demonstration of two antigens in ultrathin cryosections by a novel application of an immunogold staining method using primary antibodies from the same species 229
Beek, C., → Havenith, M.G., et al. 123
Bénazet, F., → Moré, J., et al. 189
Besse, C., → Malassiné, A., et al. 457
Betzler, D., → Reinecke, M., et al. 531
Bishop, A.E., → Rindi, G., et al. 377
Blaineau, S., Julliard, A.K., Amsellem, J., Nicaise, G.: Quantitative X-ray microanalysis of calcium with the Camebax-TEM system in frozen, freeze-substituted and resin-embedded tissue sections. Application to molluscan glio-interstitial granules 545
Bloom, S.R., → Ballesta, J., et al. 273
Blumenfeld, O.O., → Eghbali, M., et al. 257
Bohn, M.C., → Liposits, Zs., et al. 407
Bonatz, G., → Herken, R., et al. 59
Bosch, K.S., → Frederiks, W.M., et al. 439
Bosman, F.T., → Havenith, M.G., et al. 123
Bremer, F.M.: Histochemical study on glycosaminoglycans in the developing mouse vitreous 579
Bressan, G.M., → Daga-Gordini, D., et al. 573
Brown, J.C., → Vincent, S.R., et al. 483
Bruijn, W.C. de, → Dort, J.B. van, et al. 71
Bruun, A., → Perez, M.T.R. 413
Buchan, A.M.J., Gregor, M., Riecken, E.-O.: Immunocytochemical characterization of glucagon-immunoreactive cells using monoclonal antibodies to pancreatic glucagon 79
Buéno, L., → Moré, J., et al. 189
Buys, C.H.C.M., → Aten, J.A., et al. 359
Carmignac, D.F., → Gahan, P.B., et al. 289
Carr, K.E., → Dickson, G.R., et al. 569
Castellani, I., → Daga-Gordini, D., et al. 573
Cazier, A., Lamri, Y., Feldmann, G.: Comparison of the effects of a preliminary hepatic washing and of saponin on the intracellular penetration of peroxidase-labeled anti-rat albumin antibodies in hepatocytes 251
Cedard, L., → Malassiné, A., et al. 457
Christensen, L., Johansen, N., Jensen, B.A., Clemmensen, I.: Immunohistochemical localization of a novel, human plasma protein, tetranectin, in human endocrine tissues 195
Classen-Linke, I., Denker, H.-W., Winterhager, E.: Apical plasma membrane-bound enzymes of rabbit uterine epithelium. Pattern changes during the periimplantation phase 517
Clemmensen, I., → Christensen, L., et al. 195
Cleutjens, J.P.M., → Havenith, M.G., et al. 123
Comella, J.X., → Ribera, J., et al. 301
Cowen, P.N., → Teasdale, J., et al. 185
Csaba, G., → Kovács, P. 619
Daga-Gordini, D., Bressan, G.M., Castellani, I., Volpin, D.: Detection of elastin by immunoelectronmicroscopy. A comparison of different procedures 573
Dahlbäck, B., → Dahlbäck, K., et al. 511
Dahlbäck, K., Löfberg, H., Dahlbäck, B.: Immunohistochemical demonstration of vitronectin in association with elastin and amyloid deposits in human kidney 511
Daly, M.J., → Rindi, G., et al. 377
Damjanow, I., → Dráber, P., et al. 151
Danilov, S.M., Faerman, A.I., Printseva, O.Yu., Martynov, A.V., Sakharov, I.Yu., Trakht, I.N.: Immunohistochemical study of angiotensin-converting enzyme in human tissues using monoclonal antibodies 487
De Goeij, A.F.P.M., → Havenith, M.G., et al. 123
Delgado, M.V., Zoller, L.C.: A quantitative and qualitative cytochemical analysis of glycosaminoglycan content in the zona pellucida of hamster ovarian follicles 279
Denker, H.-W., → Classen-Linke, I., et al. 517
Dickson, G.R., Mollan, R.A.B., Carr, K.E.: Cytochemical localization of alkaline and acid phosphatase in human vanishing bone disease 569
Dohr, G., → Schiechl, H. 491
Dort, J.B. van, Zeelen, J.Ph., Bruijn, W.C. de: An improved procedure for the X-ray microanalysis of acid phosphatase activity in lysosomes 71
Downs, T.W., → Stumpf, W.E. 367
Dráber, P., Leu, F.-J., Viklický, V., Damjanow, I.: Immunohistochemical heterogeneity of alpha-tubulin in human epithelia revealed with monoclonal antibodies 151
Dwarte, D.M., → Murphy, C.R. 7
Ebert, S., Hildebrand, R., Haubitz, I.: Sinusoidal profiles of lactate dehydrogenase activity in rat liver 371
Eghbali, M., Seifter, S., Robinson, T.F., Blumenfeld, O.O.: Enzyme-antibody histochemistry. A method for detection of collagens collectively 257
Ehrhart, M., → Yoshie, S., et al. 99
Elek, G., Rockenbauer, A., Magyar, É., Jókay, L.: A study of free radicals in paraffin embedded and deparaffinized human heart muscle tissue using electron spin resonance (ESR) 499
Ermak, Th.H., Owen, R.L.: Phenotype and distribution of T lymphocytes in Peyer's patches of athymic mice 321
Esquerda, J.E., → Ribera, J., et al. 301
Faerman, A.I., → Danilov, S.M., et al. 487
Falkmer, S., → Reinecke, M., et al. 531
Fasulo, S., → Zaccone, G., et al. 431
Feldmann, G., → Cazier, A., et al. 251
Fernández-Llebrez, P., Pérez, J., Nadales, A.E., Pérez-Figares, J.M., Rodríguez, E.M.: Vascular and leptomeningeal projections of the subcommissural organ in reptiles. Lectin-

histochemical, immunocytochemical, and ultrastructural studies 607
Fink, D.J., → Mata, M., et al. 339
Fioramonti, J., → Moré, J., et al. 189
Fischer, J.: Alternative ultrastructural localization of *Dolichos biflorus* lectin binding sites in proton secreting parietal cells of mice 479
Fischer-Colbrie, R., → Yoshie, S., et al. 99
Forsgren, S., Söderberg, L.: Immunohistochemical procedures for the demonstration of peptide- and tyrosine hydroxylase-containing nerve fibers in cryostat sections of unfixed rapidly frozen tissue stored for long periods of time. A study on heart tissue 561
Forssmann, W.G., → Reinecke, M., et al. 531
Fournié, J., → Meyran, J.C., et al. 419
Frederiks, W.M., Marx, F., Bosch, K.S., Van Noorden, C.J.F.: Diurnal variation in 5′-nucleotidase activity in rat liver. A quantitative histochemical study 439
Friess, A.E., Toepfer-Petersen, E., Schill, W.B.: Fracture labelling of boar spermatozoa for the fucose-binding-protein (FBP) 181
Fritz, P., → Multhaupt, H., et al. 465
Fujimoto, E., Miki, A., Mizoguti, H.: Histochemical studies of the differentiation of microglial cells in the cerebral hemispheres of chick embryos and chicks 209
Fujita, S., → Minamikawa, T., et al. 317
Fujita, S., → Yasuda, N., et al. 115
Fussek, M., → Herken, R., et al. 59
Gahan, P.B., Auderset, G., Carmignac, D.F., Greppin, H.: The relationship between the activities of the pentose phosphate pathway and glycolysis during early stages of floral induction in spinach 289
Gallyas, F., Stankovics, J.: Oxidation catalyzed by H^+ ions improves the silver intensification of 3,3′-diaminobenzidine staining by strongly suppressing tissue argyrophilia 615
Gerschenson, L.E., → Shroyer, K.R., et al. 173
Gerschenson, L.E., → Shroyer, K.R., et al. 471
Gibbs, F.P., → Liposits, Zs., et al. 407
Gossrau, R., → Riese, H.H., et al. 237
Goto, M., Meyermann, R., Wekerle, H.: Ultrastructural immunocytochemistry of glia cells. Double labeling studies using LR White embedding and colloidal gold 201
Graeber, M.B., → Schoen, S.W., et al. 107
Graf, F., → Meyran, J.C., et al. 419
Gratzl, M., → Yoshie, S., et al. 99
Gray, J.W., → Aten, J.A., et al. 359
Gregor, M., → Buchan, A.M.J., et al. 79
Greppin, H., → Gahan, P.B., et al. 289
Grisolia, S., → Báguena-Cervellera, R., et al. 445
Grube, D., → Yoshie, S., et al. 99
Hagn, C., → Yoshie, S., et al. 99
Hamada, S., → Yasuda, N., et al. 115
Haneke, E., → Vigneswaran, N., et al. 597
Hanski, C., → Riese, H.H., et al. 237
Hara, H., Kobayashi, S.: Vasoactive-intestinal-polypeptide (VIP)-like immunoreactive cells in the skull base of rats. A combined study using acetylcholinesterase histochemistry 217
Harrison, R.W., → Liposits, Zs., et al. 407
Haubitz, I., → Ebert, S., et al. 371
Havenith, M.G., Cleutjens, J.P.M., Beek, C., Linden, E. v.d., De Goeij, A.F.P.M., Bosman, F.T.: Human specific anti-type IV collagen monoclonal antibodies, characterization and immunohistochemical application 123
Hayashi, T., → Tsukitani, K., et al. 293
Herken, R., Manshausen, B., Fussek, M., Bonatz, G.: Methodological dependence in the ultrastructural immunolocalization of laminin in tubular basement membranes of the mouse kidney 59
Hildebrand, R., → Ebert, S., et al. 371
Hippe, S.: Combined application of low temperature preparation and electron microscopic autoradiography for the localization of systemic fungicides 309
Hirota, T., → Nakajima, M., et al. 539
Holgate, C.S., → Teasdale, J., et al. 185
Holst, J.J., → Skak-Nielsen, T., et al. 47
Hughes, J., → Mathan, M., et al. 91
Hyyryläinen, A.M.H., → Tammi, R.H., et al. 243
Ichiyama, A., → Yokota, S., et al. 601
Isaacs, P., → Rindi, G., et al. 377
Ito, N., → Nakajima, M., et al. 539
Jackson, P., → Teasdale, J., et al. 185
Jacobowitz, D.M., → Tsukahara, S. 233
Jensen, B.A., → Christensen, L., et al. 195
Johansen, N., → Christensen, L., et al. 195
Jókay, L., → Elek, G., et al. 499
Julliard, A.K., → Blaineau, S., et al. 545
Kato, K., → Tsukitani, K., et al. 293
Kawahara, H., → Nakamura, T., et al. 39
Kellner, S.J., → Wild, P., et al. 263
Keshmirian, J., Nogrady, T.: Histofluorescent labelling of catecholaminergic structures in rotifers (Aschelminthes) in whole animals 351
Klessen, Ch., → Witt, M. 139
Kobayashi, S., → Hara, H. 217
Kovács, P., Csaba, G.: Cytochemical investigation into the Ca-dependence of positive and negative hormonal imprinting in *Tetrahymena* 619
Kreutzberg, G.W., → Schoen, S.W., et al. 107
Kugler, P.: Cytochemical demonstration of aspartate aminotransferase in the mossy-fibre system of the rat hippocampus (Short communication) 623
Kurihara, H., Uchida, K.: Distribution of microtubules and microfilaments in exocrine (Ventral prostatic epithelial cells and pancreatic exocrine cells) and endocrine cells (Cells of the adenohypophysis and islets of Langerhans). The relationship between cytoskeletons and epithelial-cell polarity 223
Lamri, Y., → Cazier, A., et al. 251
Larsson, L.-I., → Bastholm, L., et al. 229
Lawson, J.A., → Ballesta, J., et al. 273
Lee, F.I., → Rindi, G., et al. 377
Lee, Y.C., → Ballesta, J., et al. 273
Lenglet, W.J.M., → Wensink, J., et al. 65
Leu, F.-J., → Dráber, P., et al. 151
Licata, A., → Zaccone, G., et al. 431
Lieberman, R.C., → Shroyer, K.R., et al. 173
Linden, E. v.d., → Havenith, M.G., et al. 123
Liposits, Zs., Uht, R.M., Harrison, R.W., Gibbs, F.P., Paull, W.K., Bohn, M.C.: Ultrastructural localization of glucocorticoid receptor (GR) in hypothalamic paraventricular neurons synthesizing corticotropin releasing factor (CRF) 407
Lo Cascio, P., → Zaccone, G., et al. 431
Löfberg, H., → Dahlbäck, K., et al. 511
Ludens, J.H., → Ballesta, J., et al. 273
Magyar, É., → Elek, G., et al. 499
Maibach, H.I., → Tammi, R.H., et al. 243
Malassiné, A., Besse, C., Roche, A., Alsat, E., Rebourcet, R., Mondon, F., Cedard, L.: Ultrastructural visualization of the internalization of low density lipoprotein by human placental cells 457
Manshausen, B., → Herken, R., et al. 59
Martynov, A.V., → Danilov, S.M., et al. 487
Marx, F., → Frederiks, W.M., et al. 439
Mata, M., Staple, J., Fink, D.J.: Ultrastructural distribution of Ca^{++} within neurons. An oxalate pyroantimonate study 339
Mathan, M., Hughes, J., Whitehead, R.: The morphogenesis of the human Paneth cell. An immunocytochemical ultrastructural study 91
Matsubara, S., Tamada, T., Saito, T.: Ultracytochemical localizations of adenylate cyclase, guanylate cyclase and cyclic 3′,5′-nucleotide phosphodiesterase activity on the trophoblast in the human placenta. Direct histochemical evidence 505
McIntosh, C.H.S., → Vincent, S.R., et al. 483
Mesa, J.R., → Aten, J.A., et al. 359
Meyermann, R., → Goto, M., et al. 201
Meyran, J.C., Graf, F., Fournié, J.: Carbonic anhydrase activity in a calcium-mobilizing epithelium of the crustacean *Orchestia cavimana* during molting 419
Miki, A., → Fujimoto, E., et al. 209
Miller, G.J., → Shroyer, K.R., et al. 471
Minamikawa, T., Miyake, T., Takamatsu, T., Fujita, S.: A new method of lectin histochemistry for the study of brain angiogenesis. Lectin angiography 317
Miyake, T., → Minamikawa, T., et al. 317
Miyashita, H., → Nakamura, T., et al. 39
Mizoguti, H., → Fujimoto, E., et al. 209
Mizukoshi, O., → Yasuda, N., et al. 115
Mollan, R.A.B., → Dickson, G.R., et al. 569
Mondon, F., → Malassiné, A., et al. 457
Moré, J., Fioramonti, J., Bénazet, F., Buéno, L.: Histochemical characterization of glycoproteins present in jejunal and colonic goblet cells of pigs on different diets. A biopsy study using chemical methods and peroxidase-labelled lectins 189
Mori, M., → Tsukitani, K., et al. 293
Müller-Walz, R., Zimmermann, H.W.: Über Romanowsky-Farbstoffe und den Romanowsky-Giemsa-Effekt. 4. Mitteilung: Bindung von Azur B an DNA (Romanowsky dyes and the Romanowsky-Giemsa effect. IV. Binding of azure B to DNA) 157
Multhaupt, H., Fritz, P., Schumacher, K.: Immunohistochemical localisation of arginase in human liver using monoclonal antibodies against human liver arginase 465
Münstermann, D., → Schindelmeiser, J., et al. 13

Murphy, C.R., Dwarte, D.M.: Glycerol increases the cytochemical detectability of cholesterol in the apical plasma membrane of uterine epithelial cells 7
Nadales, A.E., → Fernández-Llebrez, P., et al. 607
Nakajima, M., Ito, N., Nishi, K., Okamura, Y., Hirota, T.: Immunogold labeling of blood-group antigens in human salivary glands using monoclonal antibodies and the streptavidin-biotin technique 539
Nakamura, T., Kawahara, H., Miyashita, H., Watarai, K., Takagi, M., Tachibana, S.: Cross reactive identification of types 1 and 2C fibers in human skeletal muscles with monoclonal anti-neurofilament (200 kd) antibody 39
Nakanishi, K., → Yasuda, N., et al. 115
Nameroff, M., → Yablonka-Reuveni, Z. 27
Nicaise, G., → Blaineau, S., et al. 545
Nielsen, M.H., → Bastholm, L., et al. 229
Nishi, K., → Nakajima, M., et al. 539
Noda, Y., → Tsukitani, K., et al. 293
Nogrady, T., → Keshmirian, J. 351
O'Brien, L.P., → Stumpf, W.E. 53
O'Brien, L.P., → Stumpf, W.E. 393
O'Connor, J.E., → Báguena-Cervellera, R., et al. 445
Oda, T., → Yokota, S., et al. 601
Okamura, Y., → Nakajima, M., et al. 539
O'Shea, K.S., → Rheinheimer, J.S.T. 85
Osinga, J., → Aten, J.A., et al. 359
Owen, R.L., → Ermak, Th.H. 321
Pals, D.T., → Ballesta, J., et al. 273
Paull, W.K., → Liposits, Zs., et al. 407
Peeze Binkhorst, F.M., → Rombout, J.H.W.M., et al. 1
Pellegrino de Iraldi, A., → Tomsig, J.L. 21
Pérez, J., → Fernández-Llebrez, P., et al. 607
Perez, M.T.R., Bruun, A.: Colocalization of (^{3}H)-adenosine accumulation and GABA immunoreactivity in the chicken and rabbit retinas 413
Pérez-Fígares, J.M., → Fernández-Llebrez, P., et al. 607
Peters, K.-P., → Vigneswaran, N., et al. 597
Polak, J.M., → Ballesta, J., et al. 273
Polak, J.M., → Rindi, G., et al. 377
Poulsen, S.S., → Skak-Nielsen, T., et al. 47
Printseva, O.Yu., → Danilov, S.M., et al. 487
Quatacker, J.R.: On the heterogeneous glycosylation of the membranes of the trans Golgi network in rabbit luteal cells 385
Rebourcet, R., → Malassiné, A., et al. 457
Reddington, M., → Schoen, S.W., et al. 107
Redecker, P.: Golgi-like immunostaining of pituicytes and tanycytes positive for glial fibrillary acidic protein in the neurohypophysis of the Mongolian gerbil (*Meriones unguiculatus*) 585
Reinecke, M., Betzler, D., Forssmann, W.G., Thorndyke, M., Askensten, U., Falkmer, S.: Electronmicroscopical, immunohistochemical, immunocytochemical and biological evidence for the occurrence of cardiac hormones (ANP/CDD) in chondrichthyes 531
Reiner, P.B., → Vincent, S.R., et al. 483
Renau-Piqueras, J., → Báguena-Cervellera, R., et al. 445
Reutter, W., → Riese, H.H., et al. 237
Rheinheimer, J.S.T., O'Shea, K.S.: Application of frozen thin sectioning immunogold staining to the study of the developing neuroepithelial basal lamina 85
Ribera, J., Esquerda, J.E., Comella, J.X.: Phylogenetic polymorphism on lectin binding to junctional and non-junctional basal lamina at the vertebrate neuromuscular junction 301
Riecken, E.-O., → Buchan, A.M.J., et al. 79
Riese, H.H., Hanski, C., Gossrau, R., Reutter, W.: Increased expression of a high molecular weight matrix component in rat hepatocellular carcinoma 237
Rindi, G., Bishop, A.E., Daly, M.J., Isaacs, P., Lee, F.I., Polak, J.M.: A mixed pattern of endocrine cells in metaplastic Barrett's oesophagus. Evidence that the epithelium derives from a pluripotential stem cell 377
Robinson, T.F., → Eghbali, M., et al. 257
Roche, A., → Malassiné, A., et al. 457
Rockenbauer, A., → Elek, G., et al. 499
Rodríguez, E.M., → Fernández-Llebrez, P., et al. 607
Rombout, J.H.W.M., Abad, M.E., Peeze Binkhorst, F.M., Taverne-Thiele, J.J.: Coexistence of pancreatic polypeptide (PP)- and glucagon-immunoreactivity in pancreatic endocrine cells of mouse 1
Saito, T., → Matsubara, S., et al. 505
Sakharov, I.Yu., → Danilov, S.M., et al. 487
Schiechl, H., Dohr, G.: Immunohistochemical studies of the distribution of a basolateral-membrane protein in intestinal epithelial cells (GZ1-Ag) in rats using monoclonal antibodies 491
Schill, W.B., → Friess, A.E., et al. 181
Schindelmeiser, J., Münstermann, D., Witzel, H.: Histochemical investigations on the localization of the purple acid phosphatase in the bovine spleen 13
Schoen, S.W., Graeber, M.B., Reddington, M., Kreutzberg, G.W.: Light and electron microscopical immunocytochemistry of 5′-nucleotidase in rat cerebellum 107
Schraner, E.M., → Wild, P., et al. 263
Schumacher, K., → Multhaupt, H., et al. 465
Seifter, S., → Eghbali, M., et al. 257
Shroyer, K.R., Lieberman, R.C., Gerschenson, L.E.: Estradiol-17β and progesterone regulate secretion of uteroglobin through different pathways 173
Shroyer, K.R., Williams, C.L., Miller, G.J., Gerschenson, L.E.: Uteroglobin production in the pseudopregnant rabbit uterus. Immunohistochemical studies 471
Skak-Nielsen, T., Poulsen, S.S., Holst, J.J.: Immunohistochemical detection of ganglia in the rat stomach serosa, containing neurons immunoreactive for gastrin-releasing peptide and vasoactive intestinal peptide 47
Söderberg, L., → Forsgren, S. 561
Söderström, K.-O.: Lectin binding to collagen strands in histologic tissue sections 557
Stankovics, J., → Gallyas, F. 615
Stap, J., → Aten, J.A., et al. 359
Staple, J., → Mata, M., et al. 339
Stumpf, W.E., Downs, T.W.: Nuclear receptors for 1,25(OH)$_2$ vitamin D$_3$ in thymus reticular cells studied by autoradiography 367
Stumpf, W.E., O'Brien, L.P.: Autoradiographic studies with ^{3}H 1,25 dihydroxyvitamin D$_3$ in thyroid and associated tissues of the neck region 53
Stumpf, W.E., O'Brien, L.P.: 1,25 (OH)$_2$ vitamin D$_3$ sites of action in the brain. An autoradiographic study 393
Sumi, Y., Suzuki, T., Suzuki, K.T.: Autoradiographic demonstration of cadmium not bound to metallothionein using ^{14}C-labeled thiazolylazo-naphthol 327
Suzuki, K.T., → Sumi, Y., et al. 327
Suzuki, T., → Sumi, Y., et al. 327
Tachibana, M., → Yasuda, N., et al. 115
Tachibana, S., → Nakamura, T., et al. 39
Takagi, M., → Nakamura, T., et al. 39
Takamatsu, T., → Minamikawa, T., et al. 317
Takamatsu, T., → Yasuda, N., et al. 115
Tamada, T., → Matsubara, S., et al. 505
Tammi, M.I., → Tammi, R.H., et al. 243
Tammi, R.H., Hyyryläinen, A.M.H., Maibach, H.I., Tammi, M.I.: Ultrastructural localization of keratinocyte surface associated heparan sulphate proteoglycans in human epidermis 243
Tatemoto, Y., → Tsukitani, K., et al. 293
Taverne-Thiele, J.J., → Rombout, J.H.W.M., et al. 1
Teasdale, J., Jackson, P., Holgate, C.S., Cowen, P.N.: Identification of oestrogen receptors in cells of paraffin-processed breast cancers by IGSS 185
Thorndyke, M., → Reinecke, M., et al. 531
Toepfer-Petersen, E., → Friess, A.E., et al. 181
Tomsig, J.L., Pellegrino de Iraldi, A.: Effect of collidine (2,4,6-trimethylpyridine) on the osmiophilia and chromaffin reaction in the synaptic vesicles of rat pineal nerves 21
Trakht, I.N., → Danilov, S.M., et al. 487
Tsukahara, S., Jacobowitz, D.M.: Peptidergic innervation of the rat Harderian gland 233
Tsukitani, K., Tatemoto, Y., Noda, Y., Mori, M., Hayashi, T., Kato, K.: Immunohistochemical detection of human epidermal growth factor in submandibular glands and their tumors using a polyclonal antiserum and a monoclonal antibody 293
Uchida, K., → Kurihara, H. 223
Uht, R.M., → Liposits, Zs., et al. 407
Van den Hamer, C.J.A., → Wensink, J., et al. 65
Van Noorden, C.J.F., → Frederiks, W.M., et al. 439
Vaughan, M.A., Vaughn, K.C.: Effects of microfilament disrupters on microfilament distribution and morphology in maize root cells 129
Vaughn, K.C., → Vaughan, M.A. 129
Veen, A.Y. van der, → Aten, J.A., et al. 359
Vigneswaran, N., Haneke, E., Peters, K.-P.: Cross-reaction of a monoclonal anti-filaggrin antibody with glycogen 597
Viklický, V., → Dráber, P., et al. 151
Vincent, S.R., McIntosh, C.H.S., Reiner, P.B., Brown, J.C.: Somatostatin immunoreactivity in the cat adrenal medulla. Localization and characterization 483
Vis, R.D., → Wensink, J., et al. 65
Volpin, D., → Daga-Gordini, D., et al. 573

Watarai, K., → Nakamura, T., et al. 39
Wekerle, H., → Goto, M., et al. 201
Wensink, J., Lenglet, W.J.M., Vis, R.D., Van den Hamer, C.J.A.: The effect of dietary zinc deficiency on the mossy fiber zinc content of the rat hippocampus. A microbeam PIXE study 65
Whitehead, R., → Mathan, M., et al. 91
Wild, P., Kellner, S.J., Schraner, E.M.: Parathyroid cell variants may be provoked during immersion fixation 263
Williams, C.L., → Shroyer, K.R., et al. 471
Winkler, H., → Yoshie, S., et al. 99
Winterhager, E., → Classen-Linke, I., et al. 517
Witt, M., Klessen, Ch.: Lectinhistochemical demonstration of galactose- and *N*-acetyl-D-galactosamine residues in cells of the rat anterior pituitary 139
Witzel, H., → Schindelmeiser, J., et al. 13
Wroblewski, J.: Elemental changes associated with chondrocyte differentiation in rat rib growth plate 145
Yablonka-Reuveni, Z., Nameroff, M.: Skeletal muscle cell populations. Separation and partial characterization of fibroblast-like cells from embryonic tissue using density centrifugation 27
Yamada, M., → Araki, T., et al. 331
Yamamoto, A., → Araki, T., et al. 331
Yasuda, N., Tachibana, M., Mizukoshi, O., Hamada, S., Takamatsu, T., Nakanishi, K., Fujita, S.: Serial section method for cytofluorometric determinations of the DNA content of component cells of the human cochlea 115
Yokota, S., Oda, T., Ichiyama, A.: Immunocytochemical localization of serine: pyruvate aminotransferase in peroxisomes of the human liver parenchymal cells 601
Yoshie, S., Hagn, C., Ehrhart, M., Fischer-Colbrie, R., Grube, D., Winkler, H., Gratzl, M.: Immunological characterization of chromogranins A and B and secretogranin II in the bovine pancreatic islet 99
Yu, L.C., → Aten, J.A., et al. 359
Zaccone, G., Fasulo, S.,Lo Cascio, P., Licata, A., Ainis, L., Affronte, R.: Lectin-binding pattern on the surface epidermis of *Ambystoma tigrinum* larvae. A light- and electron-microscopic study 431
Zeelen, J.Ph., → Dort, J.B. van, et al. 71
Zimmermann, H.W., → Müller-Walz, R. 157
Zoller, L.C., → Delgado, M.V. 279

Indexed in Current Contents